

ABSTRACT

A method and apparatus for scanning multiple scanning probe microscopes in close proximity, to scan overlapping scan areas at the same time while avoiding collision 5 employs a control system providing drive signals to a first Atomic Force Microscope (AFM) and calculated drive signals to additional AFMs based on the first drive signals and the relative position of the additional AFMs to the first AFM for consistent spaced motion. Scanning and Failure Analysis (FA) probing of multiple feature of interest using multiple APMs allows for reduced time for locating FA features to set up measurements.

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